

CLAIMS:

1. Glass panel for a cathode ray tube, comprising a substantially rectangular display window having an upright edge along its periphery, the glass panel meeting the following stress distribution criterion:

$$S_{icor} > S_{icf}$$

5 where S_{icor} is a compressive inside surface stress at a corner of the display window and S_{icf} is a compressive inside surface stress at a center face of the display window.

2. Glass panel according to claim 1, wherein

$$1.05 < S_{icor} / S_{icf} \leq 2.0.$$

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3. Glass panel according to claim 1 or 2, further meeting the following stress distribution criterion:

$$S_{ca} \leq 2 \text{ MPa}$$

15 where S_{ca} is a through-thickness integral stress measured at an end of a central axis of the display window.

4. Glass panel according to any of claims 1-3, wherein a radius of outside curvature of the display window is higher than 20,000 mm.

20 5. Glass panel according to any of claims 1-4, wherein a diagonal of the panel is larger than 500 mm.

6. Glass panel according to any of claims 1-5, wherein the glass thickness at the periphery of the display window is larger than the glass thickness at the center face of the 25 display window.

7. Glass panel according to claim 6, wherein the difference between the glass thickness at the periphery of the display window and the glass thickness at the center face of the display window is more than 5 mm.